

*Amendments to the Claims*

1-58. (canceled)

59. (currently amended)      A method of communicating postings to a target user community, comprising:

(a)      storing a plurality of postings, each posting including a source identification tag, an information body, and a broadcast descriptor, the broadcast descriptor identifying a geographical region of said each posting, wherein the geographical region is defined by a closed region on a map;

(b)      receiving a plurality of requests from mobile and stationary users, each request from a user including a user identification tag and an antenna descriptor, the antenna descriptor identifying a geographical location of the user;

(c)      processing said each request, including:

(1)      identifying one or more postings having geographical regions that contain the geographical location, and

(2)      sending the identified one or more postings to the user;

(d)      processing a subsequent request from the user, the subsequent request including a user identification tag and an antenna descriptor specifying a subsequent geographical location of the user, said processing a subsequent request from the user including:

(1) sending to the user other postings having geographical regions that contain the subsequent geographical location, wherein the other postings do not include any posting previously sent to the user.

60. (previously presented) The method of claim 59, further comprising:

(e) storing and managing a plurality of user accounts corresponding to the stationary and mobile users, each user account including at least one user identification tag and corresponding antenna descriptor.

61. (previously presented) The method of claim 60, wherein step (c)(2) comprises:

sending postings via email to users associated with the plurality of user accounts.

62. (previously presented) The method of claim 60, further comprising:

(f) accepting definitions of the postings and the plurality user accounts via a graphical user interface;

(g) removing definitions of the postings and the plurality user accounts via the graphical user interface; and

(h) displaying the postings and information related to the plurality of user accounts via the graphical user interface.

63. (previously presented) The method of claim 60, further comprising:

(f) maintaining a transient user account for a transient user that does not have a user account in the plurality of user accounts, the transient user account including at least one user identification tag and corresponding antenna descriptor, and serving as a temporary user account until timed out and garbage collected after a predefined period of inactivity of the transient user.

64. (previously presented) The method of claim 59, wherein the geographical region is a closed region defined on a map by latitude and longitude.

65. (previously presented) The method of claim 64, wherein the geographical region is further defined by vertical distance from sea level.

66. (previously presented) The method of claim 59, wherein step (b) comprises:

receiving at least one request from a user over a wide-area network.

67. (previously presented) The method of claim 59, wherein step (b) comprises:

receiving at least one request from a user over the Internet.

68. (previously presented) The method of claim 59, wherein step (b) comprises:

enabling the mobile and stationary users to provide requests via standard Web browsers.

69. (previously presented) The method of claim 62, wherein step (h) comprises:

displaying geographical maps with the graphical user interface to depict at least one of a broadcast descriptor and an antenna descriptor; and

enabling the mobile and the stationary users to use the graphical user interface to draw on the geographical maps with interactive drawing tools to define the at least one of a broadcast descriptor and an antenna descriptor.

70. (previously presented) The method of claim 60, wherein the user accounts have associated user preferences, the user preferences including logical filters, wherein step (e) comprises:

specifying further characteristics of the postings with the logical filters that must be present for the postings to be sent to the corresponding user.

71. (previously presented) The method of claim 63, wherein step (c)(2) comprises:

using the antenna descriptors of the transient user accounts to find and send postings to a mobile transient user based on global positioning system (GPS) coordinate data from a mobile communications device of the mobile transient user.

72. (previously presented) The method of claim 59, further comprising:

(e) maintaining a record for a particular user of which the postings having geographical regions that contain the geographical location of the particular user, wherein the record does not maintain duplicates of the postings having geographical regions that contain the geographical location of the particular user.

73. (previously presented) The method of claim 59, further comprising:

requiring a password associated with a posting to be used by any user requesting to view the information body of the posting.

74. (previously presented) The method of claim 59, wherein said each posting includes an optional activation time period, the activation time period including a start time and a stop time, further comprising:

(e) governing the duration of an availability a respective posting to users using the start time and the stop time.

75. (previously presented) The method of claim 59, further comprising:

(e) recording user transaction data, the user transaction data including information related to a duration of contact with a respective user, and a record of actions performed within the duration by the respective user.

76. (previously presented) The method of claim 60, further comprising:

- (f) storing the postings having geographical regions that contain the geographical location of a particular user in a user account of the particular user; and
- (g) permitting the particular user to define criteria to determine when postings stored in a user account of the particular user are to generate email to the particular user.

77. (previously presented) The method of claim 60, further comprising:

- (f) restricting the posting authority of any user account by accepting and storing a plurality of authorized region descriptors and unauthorized region descriptors, any authorized region descriptor optionally having at least one of an associated posting password and posting category restriction list; and
- (g) requiring at least one of the posting password and the category restriction list to be respected by any posting having geographical regions that contain the geographical location of a particular user in a user account of the particular user before storing the posting.

78. (currently amended) A system for communicating information to a target user community using geographical maps, comprising:

- a posting information database for storing one or more postings, each posting including a source identification tag, an information body, and a broadcast descriptor, the broadcast descriptor identifying a geographical region of said each posting, wherein the geographical region is defined by a closed region on a map; and
- a postings manager in communications with said posting information database, wherein the postings manager is configured to receive a plurality of requests from mobile

and stationary users, each request from a user including a user identification tag and an antenna descriptor, the antenna descriptor identifying a geographical location of the user;

an intersection engine configured to process said each request to identify one or more stored postings having geographical regions that contain the geographical location; and

a notifications manager that sends the identified one or more postings to the user;

wherein the intersection engine is configured to process a subsequent request from the user received by the postings manager, the subsequent request including a user identification tag and an antenna descriptor specifying a subsequent geographical location of the user; and

wherein the notifications manager is configured to send to the user other postings identified by the intersection engine having geographical regions that contain the subsequent geographical location, wherein the other postings do not include any posting previously sent to the user.

79. (previously presented) The system of claim 78, further comprising a map manager for generating geographical map views covering the target user community.

80. (previously presented) The system of claim 79, further comprising a user interface for accepting a personal icon to be associated with a user account.

81. (previously presented) The system of claim 80, wherein said personal icon is a visible element in said postings.

82. (previously presented) The system of claim 81, further comprising a virtual antenna.

83. (previously presented) The system of claim 82, wherein said postings manager is configured to display a visible graphical element representing said virtual antenna on said geographical map views.

84. (previously presented) The system of claim 83, wherein a user is permitted to activate said visible graphical element thereby causing a user-defined URL to be opened and displayed.

85. (previously presented) The system of claim 82, further comprised of a plurality of ping topics associated with said virtual antenna, each said ping topic comprising a ping topic keyword pattern and a ping topic response.

86. (previously presented) The system of claim 78, wherein said postings manager is configured to accept a photo attachment, said photo attachment comprising (1) a digital photograph, (2) descriptive information about said digital photograph, and (3) behavioral preferences associated with said digital photograph.



87. (previously presented) The system of claim 86, wherein said photo attachment is associated with an attachment point, said attachment point being a point on said geographical map views.

88. (previously presented) The system of claim 78, wherein said postings manager is further configured to enable a plurality of user dialogs, each said user dialogs comprising a plurality of messages between a source user and a recipient user.

89. (previously presented) The system of claim 78, further comprising a channel tree comprising a plurality of named system channels interrelated hierarchically.

90. (previously presented) The system of claim 89, further comprising a plurality of user channels, each of said user channels being owned by said user and comprising (1) a name, (2) a parent system channel, said parent system channel being one of said plurality of named system channels, and (3) a region descriptor.

91. (previously presented) The system of claim 78, further comprising a mobile antenna.

92. (previously presented) The system of claim 78, further comprising an account manager for assigning each user an account type, said account type comprising a system feature table and a usage limits table.

93. (currently amended) A computer program product having a computer readable medium having control logic stored therein, said control logic enabling a processor to communicate postings to a target user community, said control logic comprising:

means for enabling a processor to store a plurality of postings, each posting including a source identification tag, an information body, and a broadcast descriptor, the broadcast descriptor identifying a geographical region of said each posting, wherein the geographical region is defined by a closed region on a map;

means for enabling a processor to receive a plurality of requests from mobile and stationary users, each request from a user including a user identification tag and an antenna descriptor, the antenna descriptor identifying a geographical location of the user;

means for enabling a processor to process said each request, including:

means for enabling a processor to identify one or more postings having geographical regions that contain the geographical location, and

means for enabling a processor to send the identified one or more postings to the user;

means for enabling a processor to process a subsequent request from the user, the subsequent request including a user identification tag and an antenna descriptor specifying a subsequent geographical location of the user, said means for enabling a processor to process a subsequent request from the user including:

means for enabling a processor to send to the user other postings having geographical regions that contain the subsequent geographical location, wherein the other postings do not include any posting previously sent to the user.

94. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to store and manage a plurality of user accounts corresponding to the stationary and mobile users, each user account including at least one user identification tag and corresponding antenna descriptor.

95. (previously presented) The computer program product of claim 94, wherein said means for enabling a processor to send the identified one or more postings to the user comprises:

means for enabling a processor to send postings via email to users associated with the plurality of user accounts.

96. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to accept definitions of the postings and the plurality user accounts via a graphical user interface;

means for enabling a processor to remove definitions of the postings and the plurality user accounts via the graphical user interface; and

means for enabling a processor to display the postings and information related to the plurality of user accounts via the graphical user interface.

97. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to maintain a transient user account for a transient user that does not have a user account in the plurality of user accounts, the transient user account including at least one user identification tag and corresponding antenna descriptor, and serving as a temporary user account until timed out and garbage collected after a predefined period of inactivity of the transient user.

98. (previously presented) The computer program product of claim 93, wherein the geographical region is a closed region defined on a map by latitude and longitude.

99. (previously presented) The computer program product of claim 98, wherein the geographical region is further defined by vertical distance from sea level.

100. (previously presented) The computer program product of claim 93, wherein the means for enabling a processor to receive a plurality of requests from mobile and stationary users comprises:

means for enabling a processor to enable the mobile and stationary users to provide requests via standard Web browsers.

101. (previously presented) The computer program product of claim 96, wherein the means for enabling a processor to display the postings and information related to the plurality of user accounts via the graphical user interface comprises:

means for enabling a processor to display geographical maps with the graphical user interface to depict at least one of a broadcast descriptor and an antenna descriptor; and

means for enabling a processor to enable the mobile and the stationary users to use the graphical user interface to draw on the geographical maps with interactive drawing tools to define the at least one of a broadcast descriptor and an antenna descriptor.

102. (previously presented) The computer program product of claim 94, wherein the user accounts have associated user preferences, the user preferences including logical filters, wherein the means for enabling a processor to store and manage a plurality of user accounts corresponding to the stationary and mobile users comprises:

means for enabling a processor to specify further characteristics of the postings with the logical filters that must be present for the postings to be sent to the corresponding user.

103. (previously presented) The computer program product of claim 97, wherein the means for enabling a processor to send the identified one or more postings to the user comprises:

means for enabling a processor to use the antenna descriptors of the transient user accounts to find and send postings to a mobile transient user based on global positioning system (GPS) coordinate data from a mobile communications device of the mobile transient user.

104. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to maintain a record for a particular user of which the postings having geographical regions that contain the geographical location of the particular user, wherein the record does not maintain duplicates of the postings having geographical regions that contain the geographical location of the particular user.

105. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to require a password associated with a posting to be used by any user requesting to view the information body of the posting.

106. (previously presented) The computer program product of claim 93, wherein said each posting includes an optional activation time period, the activation time period including a start time and a stop time, further comprising:

means for enabling a processor to govern the duration of an availability a respective posting to users using the start time and the stop time.

107. (previously presented) The computer program product of claim 93, further comprising:

means for enabling a processor to record user transaction data, the user transaction data including information related to a duration of contact with a respective user, and a record of actions performed within the duration by the respective user.

108. (previously presented) The computer program product of claim 94, further comprising:

means for enabling a processor to stored the postings having geographical regions that contain the geographical location of a particular user in a user account of the particular user; and

means for enabling a processor to permit the particular user to define criteria to determine when postings stored in a user account of the particular user are to generate email to the particular user.

109. (previously presented) The computer program product of claim 94, further comprising:

means for enabling a processor to restrict the posting authority of any user account by accepting and storing a plurality of authorized region descriptors and unauthorized region descriptors, any authorized region descriptor optionally having at least one of an associated posting password and posting category restriction list; and

means for enabling a processor to require at least one of the posting password and the category restriction list to be respected by any posting having geographical regions

that contain the geographical location of a particular user in a user account of the particular user before storing the posting.